

UPTOWN NEWPORT
Wastewater Treatment Questionnaire

1. Please confirm or correct the following information provided to us by Patrick McNelly of OCSD in a response to our inquiry for another project in February 2010.

a. Plant No. 1 in the City of Fountain Valley:

i. has a maximum capacity, for advanced primary and secondary treatment, of 204 million gallons per day (mgd) *yes*

ii. treats an average of ~~86~~ mgd. *95 mgd.*

iii. About 66 mgd of effluent from Plant No. 1 are sent to the OCWD for further treatment in the groundwater replenishment system (GWRS) facility in Fountain Valley, which has a capacity of 70 mgd. *yes*

iv. GWRS-treated water is used for injection into the Main Orange County Groundwater Basin to control saltwater intrusion, or for recharging the basin via percolation basins. *yes*

v. An additional 3.3 mgd of effluent from Plant No. 1 are sent to the OCWD for tertiary treatment in a separate facility; this water is then delivered to customers for irrigation use. *yes*

vi. The balance of effluent from Plant No. 1, roughly ~~16.7~~ mgd, is sent to Reclamation Plant No. 2 in the City of Huntington Beach, and is subsequently discharged through the ocean outfall system. *25.7 mgd*

b. Plant No. 2, which receives wastewater from several major sewers in addition to Plant No. 1:

i. has an average treatment flow rate of ~~124~~ mgd and a *112 mgd*

ii. maximum treatment capacity of 168 mgd *yes*

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2. Is existing and planned OCSD wastewater treatment capacity sufficient for estimated project wastewater treatment capacity, or would construction of new or expanded wastewater treatment facilities be required?
- a. Our estimate for project wastewater generation is 226,323 gallons per day. The estimate is 100 percent of potable water demand forecast using Irvine Ranch Water District water demand factors for high-rise-density residential units and for community commercial use.

yes, capacity is sufficient.

Response Prepared By:

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Name Title

Orange County Sanitation District 12/28/11
Agency Date